

### Multiple Section Network

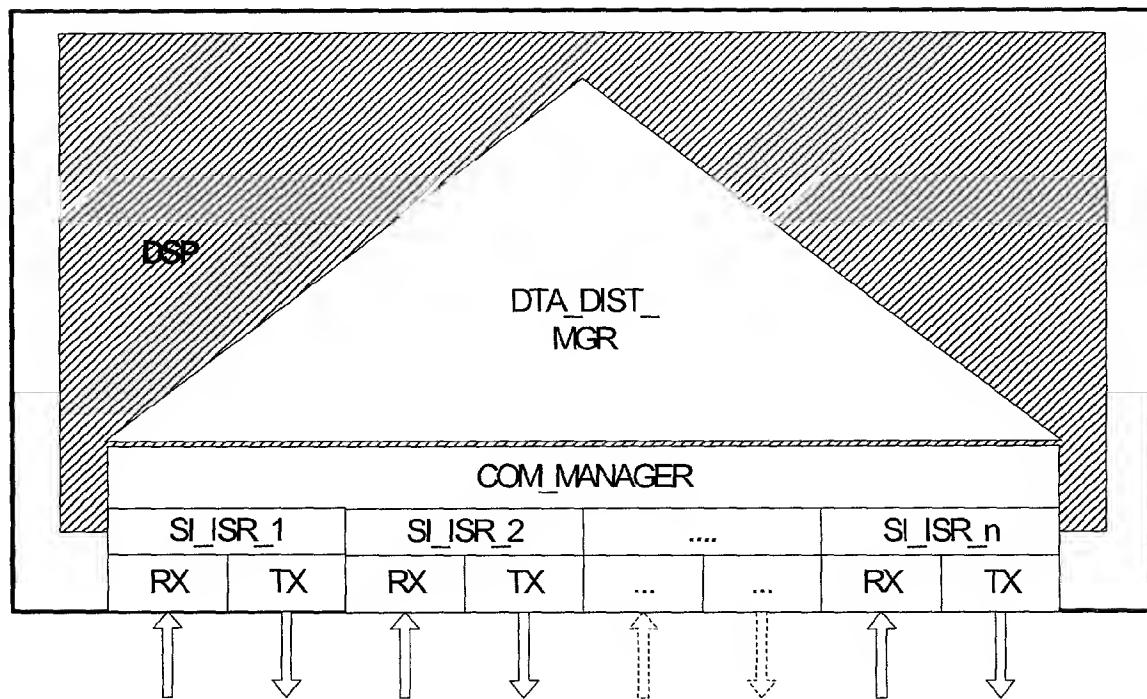
Example with MLC and 3 ISR networks of different size and numbering  
 DSP - digital signal processor

SI\_PLC - serial interface to process control network  
 (not drawn)

SI\_ISR - serial interface to inter SDC network

SI\_DRV - serial interface to drive network (not drawn)

Fig. 1



## MLC - Multi Link Controller

DSP - digital signal processor

DTA\_DIST\_MGR - module to manage the data flow between the networks

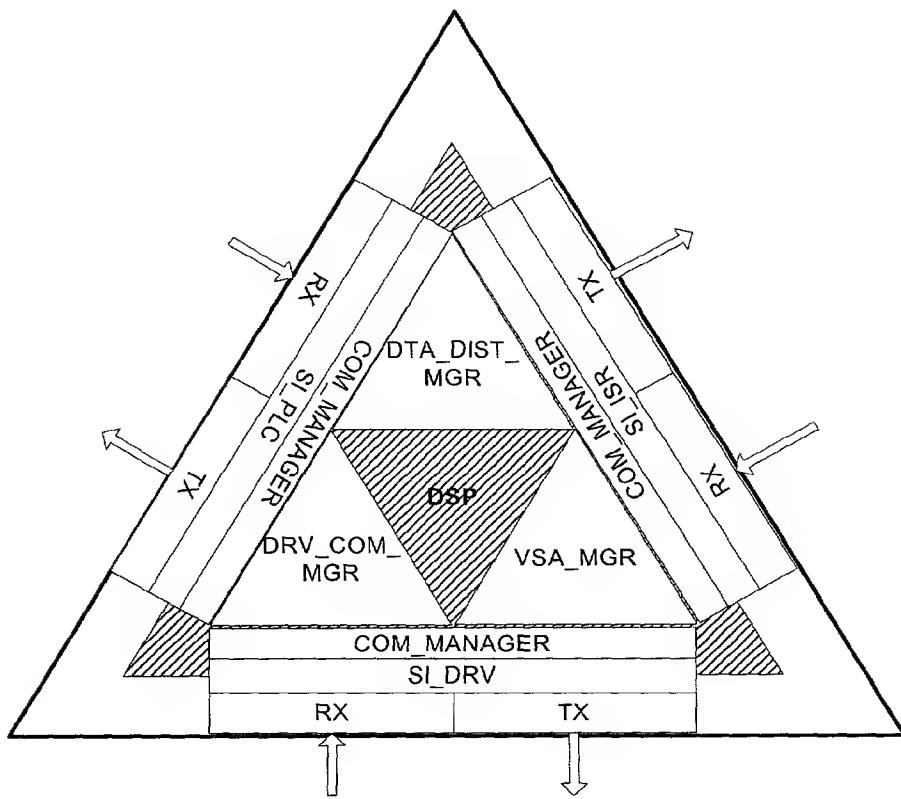
SI\_ISR\_x - serial interface to inter SDC network x

COM\_MANAGER - modules to manage the communication over that interface

TX - transmit interface at communication interface

RX - receive interface at communication interface

Fig. 2



### SDC - SyncDrive Controller

DSP - digital signal processor  
 DRV\_COM\_MGR - module to manage the data flow from and to drive network  
 VSA\_MGR - module to manage the virtual synchronisation-axis function  
 DTA\_DIST\_MGR - module to manage the data flow between the networks  
 SI\_PLC - serial interface to process control network  
 SI\_ISR - serial interface to inter-SDC network  
 SI\_DRV - serial interface to drive network  
 COM\_MANAGER - modules to manage the communication over that interface  
 TX - transmit interface at communication interface  
 RX - receive interface at communication interface

Fig. 3

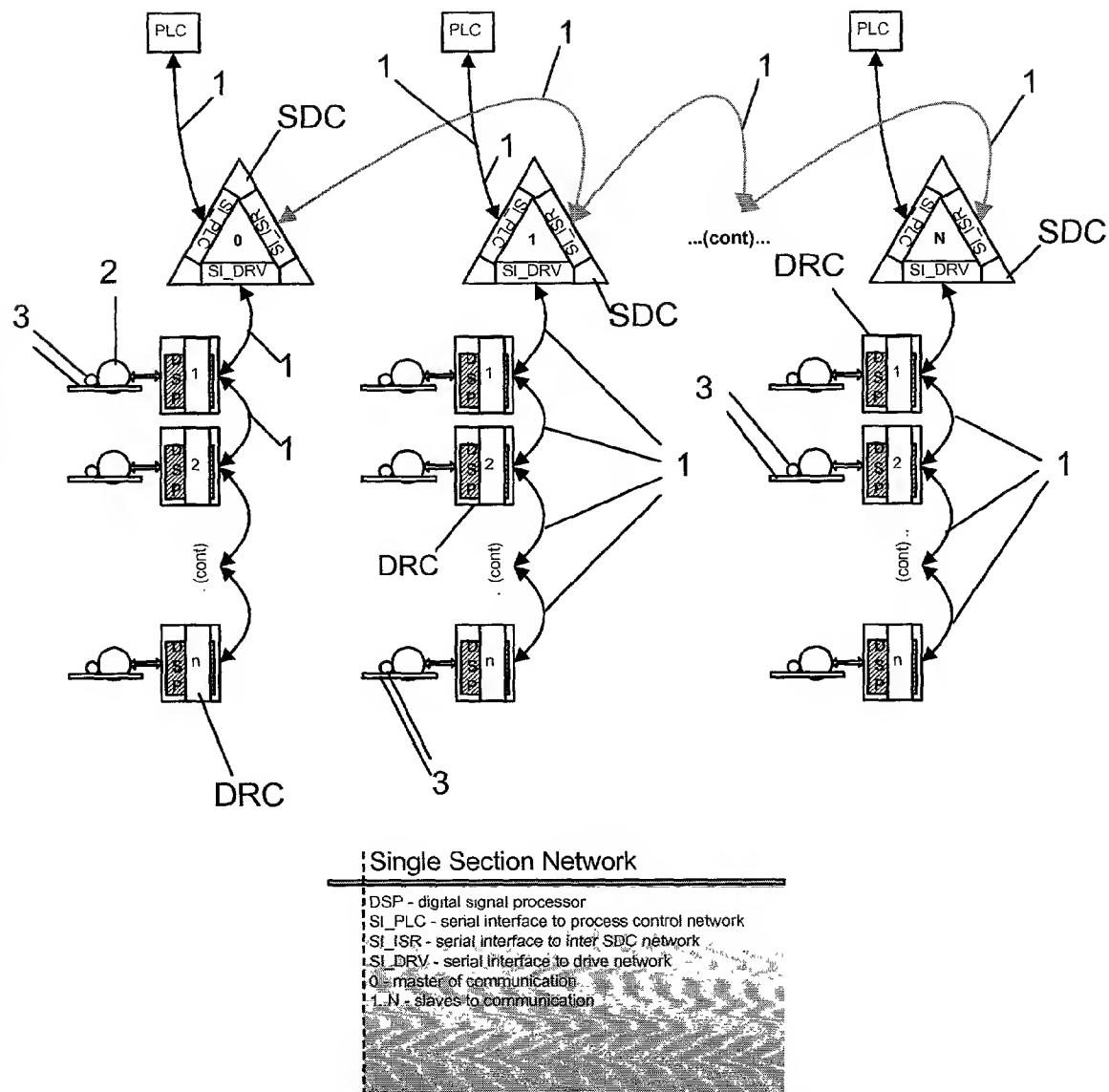


Fig. 4

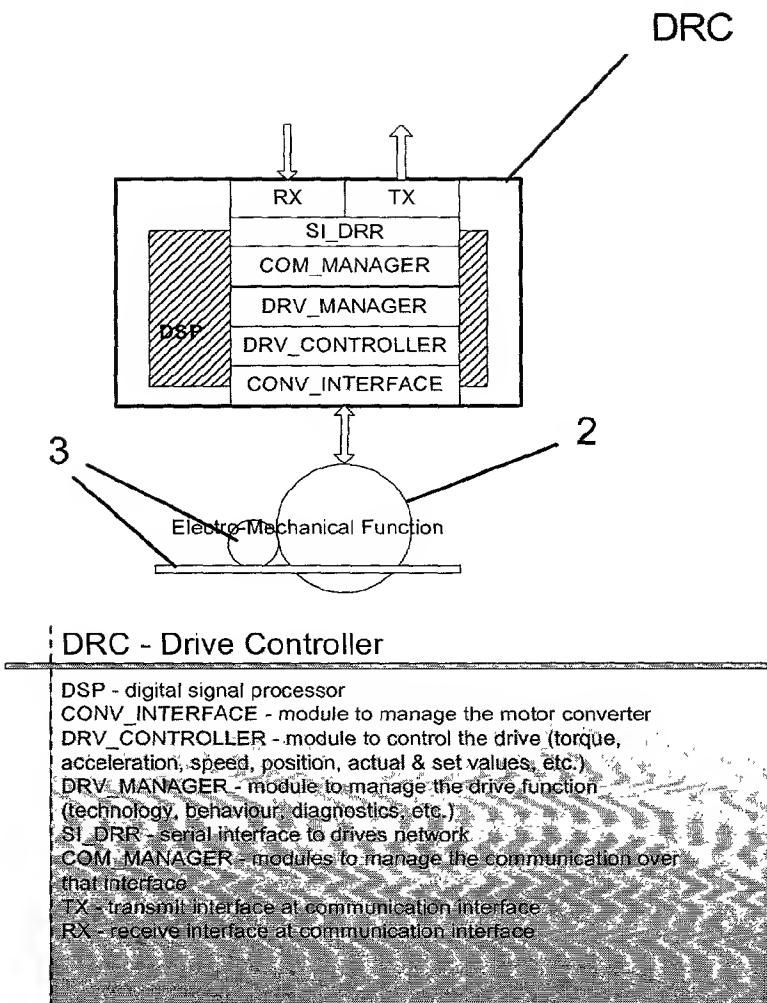


Fig. 5

## VI/VIII

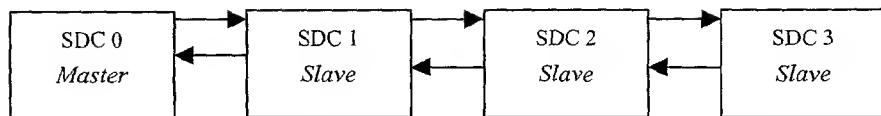


Fig. 6

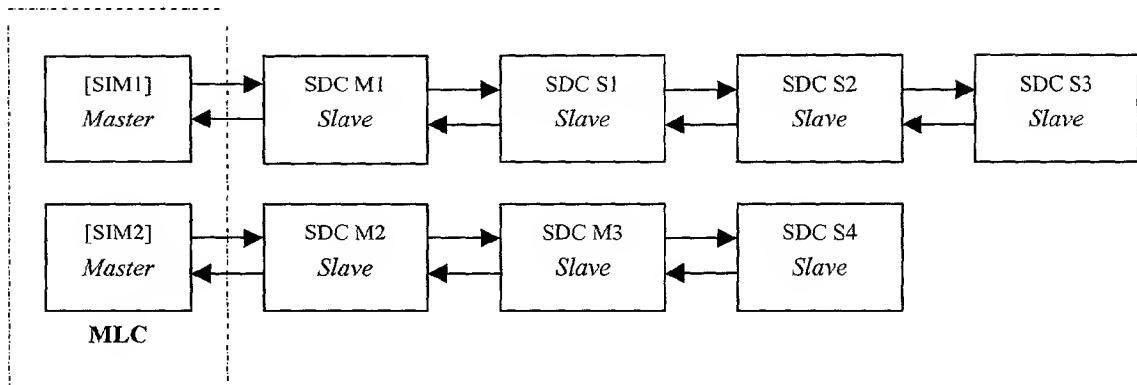


Fig. 7

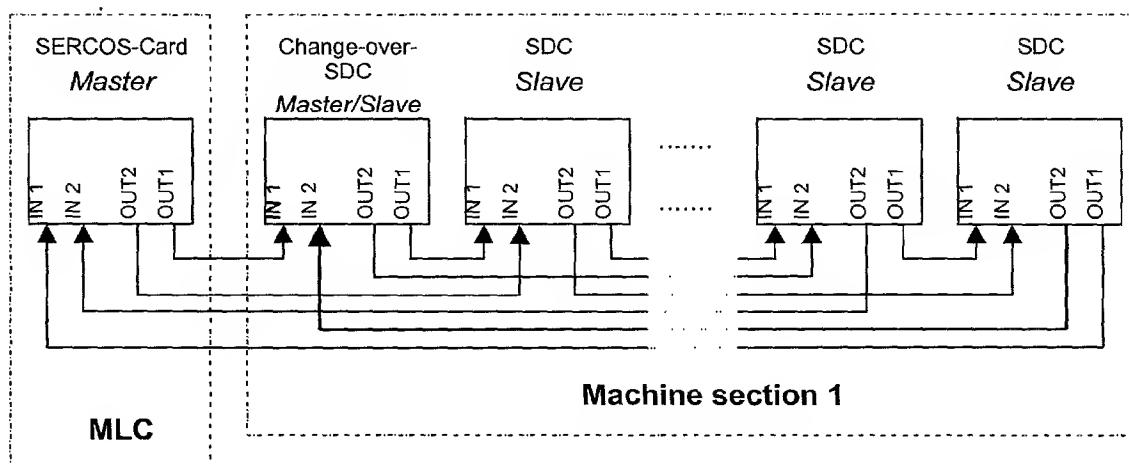


Fig. 8

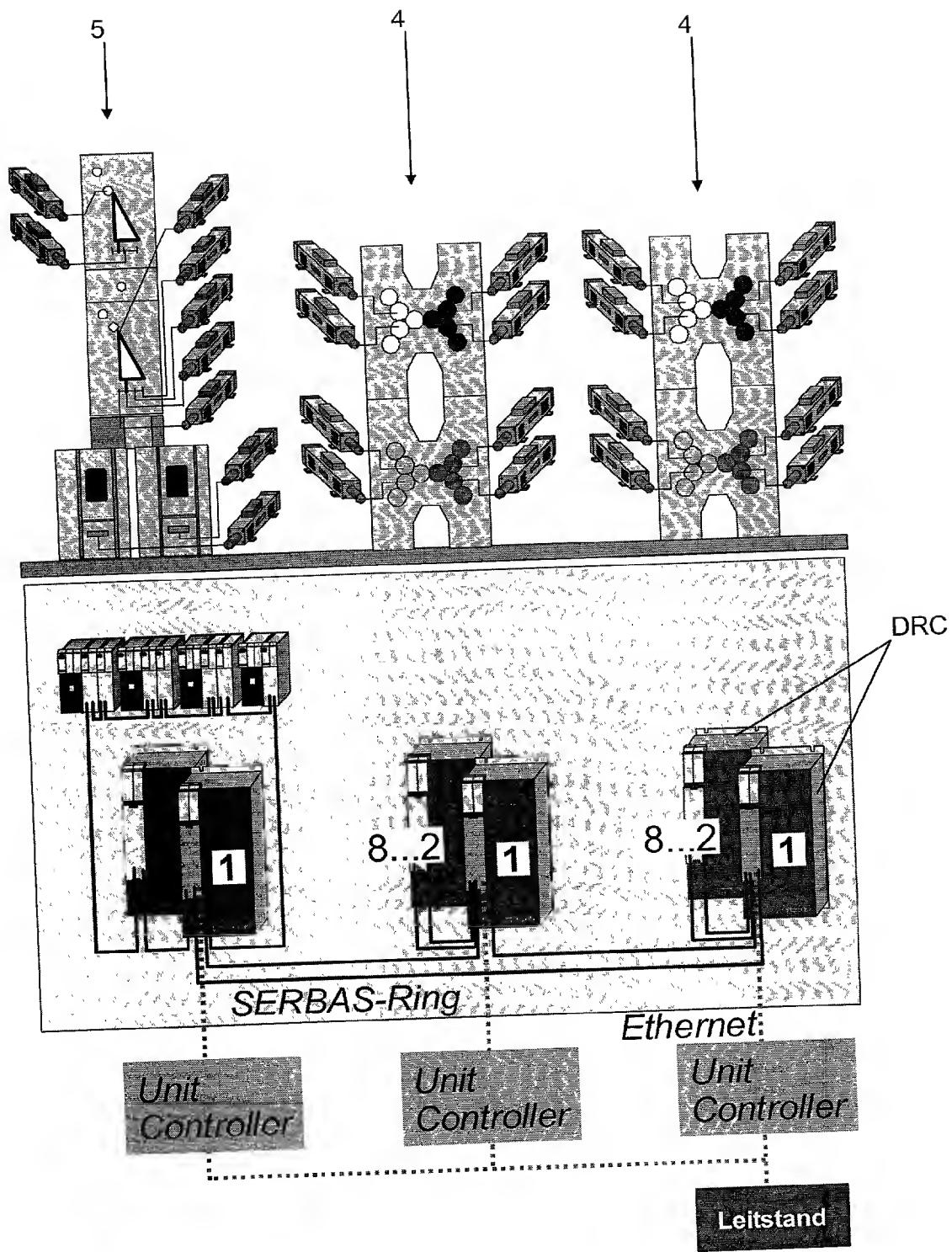


Fig. 9

Fig. 10

